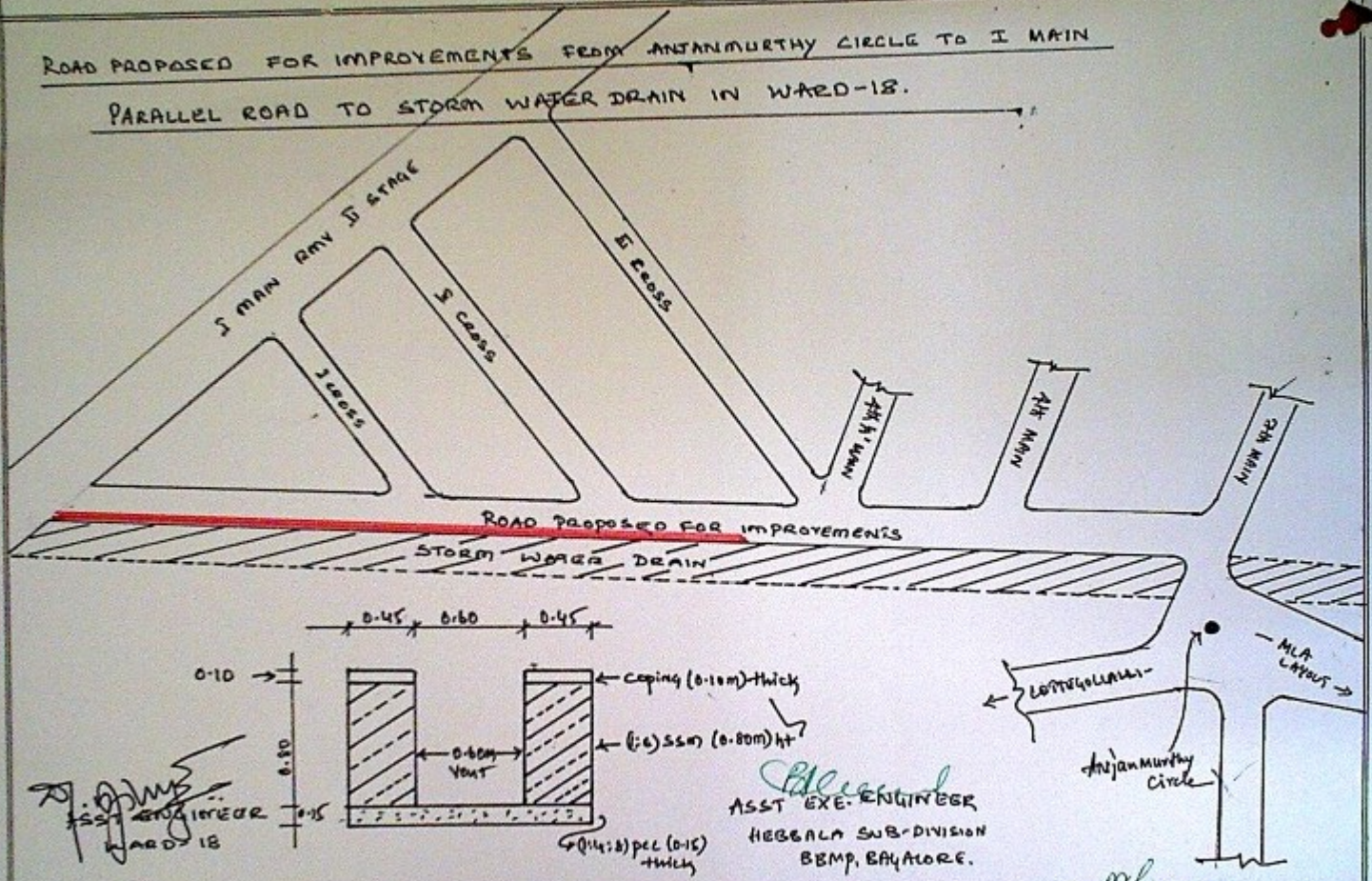
ROAD PROPOSED FOR IMPROVEMENTS FROM ANJANMURTHY CIRCLE TO I MAIN

PARALLEL ROAD TO STORM WATER DRAIN IN WARD-18.



ASST ENGINEER
WARD 18

ASST EXE. ENGINEER
HEBBALA SUB-DIVISION
BBMP, BANGALORE.

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Palike

BRUHATH BENGALURU MAHANAGARA PALIKE

Name of the Work: Construction of SSM drain from 1st Main Road to Solid Waste Management Centre in Parallel Road to SWD in Ward No.18

DETAILED ESTIMATE

Ward No.18 **Est. Cost Rs. 20.00 Lakhs**

SLNo	Description	Unit	No	L	B	D	Qnty	Rate	Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in ordinary soil not exceeding 1.5 m. in depth including sressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods, complete as per specifications. specification No. KBS 2.1 (b) / 2.3.5. P No.5 1 No. 2.4 PWDSR - 2013-14								
			1	180.00	0.80	1.00	144.00		
			1	75.00	0.60	0.80	36.00		
	(BR+A/Wtg) (Rs.235.00+18.80)	Cum					180.00	151.74	27313.20
2	Providing and laying in position plain cement concrete of mix M-7.5 with OPC cement @180 Kgs,using 40mm and down size graded granite metal coarse aggregate @0.85 cum and fine aggregate @0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM machinery, curing complete as per specifications. Specification No.KBS 4. 1.4.2 P No. 12. 1 no 4.3 PWDSR - 2013-14								
			1	105.00	2.00	0.15	31.50		
			1	45.00	1.50	0.15	10.13		
			1	15.00	1.50	0.15	3.38		
	(BR+A/Wtg) (Rs.235.00+18.80)	Cum					45.00	4290.80	193086.00
3	Providing and constructing grabsite / trap / basalt size stone masonry in superstructure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Page No.26. 1 No.5.12 PWDSR - 2013-14								
			2	150.00	0.50	0.60	90.00		
			2	45.00	0.50	0.80	36.00		
			1	45.00	0.45	0.40	8.10		
			1	45.00	0.45	0.80	16.20		
			1	15.00	0.20	0.60	1.80		
			1	15.00	0.40	0.60	3.60		
	(BR+A/Wtg) (Rs.235.00+18.80)	Cum					155.70	4423.70	688770.09

4	Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms. Thick, well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No.12. I NO.4.6 PWDSR - 2013-14								
			2	195.00	0.60	0.10	23.40		
			2	45.00	0.45	0.10	4.05		
			1	15.00	0.20	0.10	0.30		
			1	15.00	0.40	0.10	0.60		
	(BR+A/Wtg) (Rs.4425.00+354.00)	Cum					28.35	4779.00	135484.65
5	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, incluing cost of materials, labor, curing complete as per specifications. Page No.122. I No.15.3 PWDSR - 2013-14								
			2	195.00	0.90		351.00		
			2	45.00	1.00		90.00		
			2	15.00	0.60		18.00		
	(BR+A/Wtg) (Rs74.00+5.90)	Cum					459.00	79.90	36674.10
6	Providing and laying position reinforced cement concrete covering slabs madeout of mix 1:1.50:3 with 20mm and down size granite metal mixed concrete laid in layers not exceeding 15cms vibrated including cost of materials, labor curing providing and laying in position including transportation complete as per specification. APPROVED DATA RATE								
	10 cms thick		1	195.00	1.50		292.50		
	10 cms thick		1	60.00	1.20		72.00		
							364.50	1427.15	520196.18
7	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm P 24 I NO 5.29.1 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs.293.00+23.45)	Nos					565.00	316.45	178794.25
8	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour compete as per specifications. Specification No.KRBS 800.3 MORT & H Specification No.800. P No. 195. I no 24.1 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs.48.00+3.85)	Sqm	1	255.00	0.30		76.50	51.84	3965.76
9	Cost of Haulage Excluding Loading and Unloading MORTH Chapter 1 (Lead chart enclosed)								
	P No.144 I Note 1 CSR of PWP & IWTD of PWDSR - 2013-14						Cum/km		
	Vide item No 1						180.00		
							180.00	103.00	18540.00
									1816533.03

10	KRIDL Charges								
11	Misscellaneous & unforseen charges							10%	181653.30
									1813.67
								Total	2000000.00

(Rupees Twenty Lakhs only)

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Pali

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per KPWD S.R Bangalore circle for the year PWDSR - 2013-14
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Assistant Engineer
Ward No.18

Asst Exe. Engineer
Hebbal Sub-Dn BBMP

Executive Engineer,
Hebbal Division BBMP